

## CLAIMS

1. Method for automatically configuring supervision and performing supervision in a supervision system comprising

5 a supervision center (1);

a supervision block (2) which contains processes performing supervision tasks,

said method comprising the steps of:

10 monitoring and/or controlling via the supervision center (1) the supervision block (2) processes performing supervision tasks,

c h a r a c t e r i z e d in that the method comprises the following steps:

15 the processes performing supervision tasks in the supervision block (2) of the supervision system and/or the objects monitored by them are registered in the supervision center (1) automatically as the processes in the supervision block (2) become ready for operation; and

20 information about the processes in the supervision block (2) and/or about the services produced by them and/or about the objects monitored is saved in the supervision center (1) in conjunction with the registration.

25 2. Method as defined in claim 1, c h a r a c t e r i z e d in that the supervision system is a telephone switching system.

30 3. Method as defined in claim 1 or 2, c h a r a c t e r i z e d in that a supervision block (2) process performing supervision tasks comprises a communication interface (3) through which operational commands are received from the supervision center (1).

35 4. Method as defined in any one of claims 1 - 3, c h a r a c t e r i z e d in that the state of a registered supervision block (2) process performing a supervision task is checked before an action request is sent to it.

5. Method as defined in any one of claims 1 -  
4, characterized in that the supervision  
center (1) comprises a user interface (4) via which  
the supervision center (1) and/or the supervision  
5 block (2) processes performing supervision tasks are  
controlled.

6. Method as defined in any one of claims 1 -  
5, characterized in that the supervision  
center (1) comprises an interface (5) for receiving  
10 the registration data when supervision block (2) proc-  
esses performing supervision tasks are registered in  
the supervision center (1).

7. Method as defined in any one of claims 1 -  
6, characterized in that the result of the  
15 supervision block (2) process performing a supervision  
task is sent to the supervision center (1).

8. Method as defined in any one of claims 1 -  
7, characterized in that the registrations  
of the supervision block (2) processes are stored in a  
20 supervision file in the supervision center (1).

9. Method as defined in any one of claims 1 -  
8, characterized in that the operation of  
the supervision block (2) process performing a super-  
vision task is verified in conjunction with the regis-  
25 tration and an alarm is issued if

the supervision block (2) process performing a su-  
pervision task does not produce a response to a test  
command.

10. Method as defined in any one of claims 1  
30 - 9, characterized in that an alarm is issued  
if

the response produced by the supervision block (2)  
process performing a supervision task is inaccurate;  
and/or

35 no supervision block (2) processes performing su-  
pervision tasks are registered at all;  
and/or

the number of test cases in the supervision file is lower after a restart of the system.

11. Method as defined in any one of claims 1 - 10, characterized in that the supervision block (2) process performing a supervision task determines the address of the supervision center (1) via a name service.

12. Method as defined in any one of claims 1 - 11, characterized in that the supervision file contains the address and/or identifier and/or test parameters and/or initial values of test parameters of the supervision block (2) process performing a supervision task and/or other information.

13. Method as defined in any one of claims 1 - 12, characterized in that a registering supervision block (2) process performing a supervision task contains one or more objects of monitoring.

14. Method as defined in any one of claims 1 - 13, characterized in that a supervision block (2) process performing a supervision task that impairs the normal operation of the telephone switching center shall not register in the supervision center (1).

15. Method as defined in any one of claims 1 - 14, characterized in that the supervision system comprises one or more supervision centers (1) in operation.

16. Method as defined in any one of claims 1 - 15, characterized in that the supervision block (2) process performing a supervision task and/or the maintenance of the monitoring object of the process are/is discontinued and the respective entry is deleted from the supervision file.

17. System for automatically configuring supervision and performing supervision in a supervision system comprising

a supervision center (1);

a supervision block (2) which contains processes performing supervision tasks,

which method comprises the steps of:

monitoring and/or controlling via the supervision  
5 center (1) the supervision block (2) processes performing supervision tasks,

characterized in that the system comprises:

means (6) for automatically registering in the supervision center (1) the objects monitored by the supervision block (2) processes performing tasks of supervision of the operation of the supervision system; and

means (7) for saving information relating to the processes performing supervision tasks and/or to the services produced by them in the supervision center  
15 (1) in conjunction with registration.

18. System as defined in claim 17, characterized in that the supervision system is a telephone switching system.

20 19. System as defined in claim 17 or 18, characterized in that the system comprises means (8) for receiving operational commands via the communication interface (3) of the supervision block (2) process performing supervision tasks.

25 20. System as defined in any one of claims 17 - 19, characterized in that the system comprises means (9) for checking the state of a registered supervision block (2) process performing a supervision task before an action request is sent to it.

30 21. System as defined in any one of claims 17 - 20, characterized in that the system comprises means (10) for controlling the supervision center (1) and/or the supervision block (2) processes performing supervision tasks via the user interface  
35 (4) of the supervision center (1).

22. System as defined in any one of claims 17 - 21, characterized in that the system com-

prises means (11) for receiving the registrations of supervision block (2) processes performing supervision tasks via an interface (5).

23. System as defined in any one of claims 17  
5 - 22, characterized in that the system comprises means (12) for sending the result of the supervision block (2) process performing a supervision task to the supervision center (1).

24. System as defined in any one of claims 17  
10 - 23, characterized in that the system comprises means (13) for storing the registrations of the supervision block (2) processes in a supervision file in the supervision center (1).

25. System as defined in any one of claims 17  
15 - 24, characterized in that the system comprises:

means (14) for verifying the operation of the supervision block (2) process performing a supervision task; and

20 means (15) for issuing an alarm.

26. System as defined in any one of claims 17  
- 25, characterized in that the system comprises means (16) for analyzing the results associated with the processes performing supervision tasks.

27. System as defined in any one of claims 17  
25 - 26, characterized in that the system comprises means (17) for determining the address of the supervision center (1) via a name service.

28. System as defined in any one of claims 17  
30 - 27, characterized in that the system comprises one or more supervision centers (1) in operation.

29. System as defined in any one of claims 17  
- 28, characterized in that the system comprises means (18) for discontinuing a supervision block  
35 (2) process performing a supervision task and/or the maintenance of an object monitored by the process and for deleting the respective entry from the supervision file.